

Bin Li

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

787
citations

394421

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501196

28
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38
all docs

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docs citations

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times ranked

418
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A stress gradient-based fatigue life prediction method for multiaxial notched specimen considering additional hardening effect. International Journal of Pressure Vessels and Piping, 2022, 195, 104597. | 2.6 | 4 |
| 2 | Numerical and experimental study on improving temperature uniformity of solar furnaces for materials processing. Solar Energy, 2015, 115, 95-108. | 6.1 | 20 |
| 3 | Structural integrity assessment of glass components in Concentrated Solar Power (CSP) systems. Theoretical and Applied Fracture Mechanics, 2015, 80, 14-21. | 4.7 | 3 |
| 4 | Minimum Circumscribed Ellipse (MCE) and Stress Scale Factor (SSF) criteria for multiaxial fatigue life assessment. Theoretical and Applied Fracture Mechanics, 2014, 73, 109-119. | 4.7 | 19 |
| 5 | Integrated assessment procedure for determining the fracture strength of glass components in CSP systems. Frattura Ed Integrita Strutturale, 2014, 8, 438-445. | 0.9 | 1 |
| 6 | New approach to evaluate non-proportionality in multiaxial loading conditions. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1338-1354. | 3.4 | 26 |
| 7 | A multiaxial fatigue approach to Rolling Contact Fatigue in railways. International Journal of Fatigue, 2014, 67, 191-202. | 5.7 | 33 |
| 8 | New approach for analysis of complex multiaxial loading paths. International Journal of Fatigue, 2014, 62, 21-33. | 5.7 | 50 |
| 9 | New cycle counting method for multiaxial fatigue. International Journal of Fatigue, 2014, 67, 78-94. | 5.7 | 39 |
| 10 | Crack path evaluation on HC and BCC microstructures under multiaxial cyclic loading. International Journal of Fatigue, 2014, 58, 102-113. | 5.7 | 22 |
| 11 | In-Plane Biaxial Fatigue Testing Machine Powered by Linear Iron-Core Motors. , 2014, , 63-79. | | 9 |
| 12 | Crankshaft failure analysis of a motor vehicle. Engineering Failure Analysis, 2013, 35, 147-152. | 4.0 | 35 |
| 13 | Characterizing the Cyclic Behaviour of Extruded AZ31 Magnesium Alloy. Materials Science Forum, 2012, 730-732, 727-732. | 0.3 | 0 |
| 14 | Effect of steady torsion on fatigue crack initiation and propagation under rotating bending: Multiaxial fatigue and mixed-mode cracking. Engineering Fracture Mechanics, 2011, 78, 826-835. | 4.3 | 29 |
| 15 | Damage Accumulation Due to Sequential Loading Effect. Procedia Engineering, 2011, 10, 1396-1401. | 1.2 | 1 |
| 16 | Multiaxial loadings with different frequencies between axial and torsional components in 42CrMo4 steel. International Journal of Structural Integrity, 2010, 1, 303-313. | 3.3 | 2 |
| 17 | 3D-modelling of the local plastic deformation and residual stresses of PM diamond-metal matrix composites. Computational Materials Science, 2010, 47, 1023-1030. | 3.0 | 12 |
| 18 | Comparative study of multiaxial fatigue damage models for ductile structural steels and brittle materials. International Journal of Fatigue, 2009, 31, 1895-1906. | 5.7 | 67 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Crack initiation and growth path under multiaxial fatigue loading in structural steels. International Journal of Fatigue, 2009, 31, 1660-1668. | 5.7 | 57 |
| 20 | Evaluation of the residual stresses due to the sintering process of diamond-metal matrix hot-pressed tools. Theoretical and Applied Fracture Mechanics, 2008, 49, 226-231. | 4.7 | 11 |
| 21 | Crack Growth Orientation in Two Structural Materials under Multiaxial Fatigue Loading. Materials Science Forum, 2008, 587-588, 892-897. | 0.3 | 1 |
| 22 | Analytical and experimental studies on fatigue crack path under complex multi-axial loading. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 281-289. | 3.4 | 28 |
| 23 | Comparative study on biaxial low-cycle fatigue behaviour of three structural steels. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 992-999. | 3.4 | 30 |
| 24 | The effect of steady torsion on fatigue crack growth in shafts. International Journal of Fatigue, 2006, 28, 609-617. | 5.7 | 41 |
| 25 | Simulation of cyclic stress/strain evolutions for multiaxial fatigue life prediction. International Journal of Fatigue, 2006, 28, 451-458. | 5.7 | 61 |
| 26 | Comparative Study of the Additional Hardening Effects of Three Structural Steels. Materials Science Forum, 2006, 514-516, 534-538. | 0.3 | 0 |
| 27 | Simulations of Cyclic Plasticity and Fatigue Behavior of Structural Steels under Multiaxial Loading. Materials Science Forum, 2006, 514-516, 1414-1418. | 0.3 | 1 |
| 28 | Multiaxial mixed-mode cracking - small crack initiation and propagation*. Materialpruefung/Materials Testing, 2006, 48, 36-43. | 2.2 | 0 |
| 29 | Effects of non-proportional loading paths on the orientation of fatigue crack path. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 445-454. | 3.4 | 20 |
| 30 | Biaxial fatigue for proportional and non-proportional loading paths. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 775-784. | 3.4 | 11 |
| 31 | Fatigue assessment of mechanical components under complex multiaxial loading. European Structural Integrity Society, 2003, , 463-482. | 0.1 | 1 |
| 32 | A Procedure for Fast Evaluation of High-Cycle Fatigue Under Multiaxial Random Loading. Journal of Mechanical Design, Transactions of the ASME, 2002, 124, 558-563. | 2.9 | 40 |
| 33 | A computerized procedure for long-life fatigue assessment under complex multiaxial loading. Fatigue and Fracture of Engineering Materials and Structures, 2001, 24, 165-177. | 3.4 | 31 |
| 34 | A Unified Numerical Approach for Multiaxial Fatigue Limit Evaluation. Mechanics Based Design of Structures and Machines, 2000, 28, 85-103. | 0.6 | 60 |
| 35 | A Numerical Approach for High-Cycle Fatigue Life Prediction with Multiaxial Loading. , 2000, , 139-156. | | 17 |
| 36 | Finite Element Analysis of the Thermal Residual Stresses of Diamond Cutting Tools in the Sintering Process. Materials Science Forum, 0, 587-588, 695-699. | 0.3 | 4 |

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|----|--|-----|-----------|
| 37 | 3D-FEM Simulation and Design Optimization of the Diamond Cutting Tools under Various Loading Conditions. Materials Science Forum, 0, 636-637, 1131-1136. | 0.3 | 1 |
| 38 | Effect of Non-Proportionality in the Fatigue Strength of 42CrMo4 Steel. Materials Science Forum, 0, 730-732, 757-762. | 0.3 | 0 |